



5332 Dansher Road
Countryside, Illinois 60525

MATERIAL SAFETY DATA SHEET

Revision Date: 8/17/2005

MSDS No.: N-014

Emergency Phones: 708-579-8100 (NYCO)

800-424-9300 (CHEMTREC)

PLEASE NOTE: This MSDS is being provided to your company for the purpose of providing current health and safety information to your management and for your employees who work with this material. Please read the information on these sheets, and then provide this information to those people at your company whose responsibility it is to comply with FEDERAL and STATE RIGHT-TO-KNOW regulations. Also make this information available to any employee who requests it. It is your obligation to comply with these regulations.

SECTION I - PRODUCT IDENTITY

PRODUCT NAME: GREASE SOLVE

Formula: Mixture, organic solvents

Chemical Type: As above

HMIS RATINGS

Health = 2 (Moderate)	Flammability = 2 (Moderate)
Reactivity = 0 (Minimal)	Protection = B (Goggles & Gloves)

SECTION II - HAZARDOUS INGREDIENTS

	<u>PERCENT</u>	<u>PEL</u>	<u>TWA</u>	<u>CARCINOGEN</u> <u>(OSHA, TP, IARC)</u>
Monochlorotoluene CAS No. 25168-05-2	60-65%	50 ppm	OSHA ACGIH	No
Medium aliphatic naptha solvent CAS No. 64742-88-7	>25%	100 ppm		No

SECTION III - CHEMICAL AND PHYSICAL

Appearance: Clear Colorless Liquid
Odor: Chlorinated Solvent
Ph: Not Applicable
Water Solubility: Not Applicable
Viscosity: Thin

Boiling Point: Est. 135-177° C.
Melting Point: N/A
Spec. Gravity (H₂O = 1): 0.97
Vapor Pressure (Mm Hg): 0.7
Voc Content = 100
See Section IX For Additional Physical Data.

SECTION IV - FIRE AND EXPLOSION HAZARDS

Flash Point (Method): 102° F. (TCC)

Explosion Limits: Upper: unknown
Lower: 1.0

Extinguishing Media: NFPA class B. carbon dioxide or foam for class II liquid fires.

Special Firefighting Procedures and Hazards: Wear self-contained breathing gear and protective clothing. Cool sealed drums with a water spray to lessen chance of rupture. Direct water jet will spread burning material. Combustion products are very toxic and highly irritating. Chlorinated solvents may evaporate preferentially from open containers, leaving aliphatic solvent combustible. Unusual Fire and Explosion Hazards: COMBUSTIBLE! Keep container tightly closed. Isolate from oxidizers, heat and open flame. Closed containers may explode, if exposed to extreme heat. Application to hot surfaces requires special precautions.

SECTION V - REACTIVITY INFORMATION

Stable:

Unstable:

Precautions: Isolate from heat and open flame.

Incompatibility: Strong oxidizers such as permanganate.

Hazardous Decomposition Products: Carbon monoxide, hydrogen chloride, phosgene traces and other chlorinates from burning.

Hazardous Polymerization: Occurs:

Does Not Occur:

SECTION VI - HEALTH HAZARDS - PROTECTIVE MEASURES - FIRST AID

Inhalation:	Anesthetic! Breathing of mists causes respiratory irritation. Wear approved mist/organic vapor respirator if exposure is likely. May cause central nervous system depression. Provide ventilation. Remove to fresh air. Give artificial respiration or oxygen if needed.
Skin:	Primary irritation, defatting and dermatitis. Wear gloves and footwear impervious to solvents. Flush skin with water for 15 minutes. Wash clothing before reuse. Get medical attention for any irritation.
Eyes:	Can cause irritation, redness, tearing and blurred vision. Wear OSHA standard goggles or face shield. Consult a Safety Equipment Supplier. Flush immediately with water for 15 minutes. Get prompt medical attention if needed.
Ingestion:	Harmful or fatal if swallowed. Swallowing may cause irritation in mouth, throat and digestive upset with accompanying nausea, vomiting and diarrhea. If swallowed, CALL A PHYSICIAN IMMEDIATELY! Do NOT induce vomiting. Have patient lie down and keep warm. Vomiting may lead to aspiration into lungs causing pneumonia's which may be fatal.

Most likely routes of entry: Skin, eyes and inhalation.

Other Important Medical or Precautionary Information: Physician: Give oxygen until recovery. The use of epinephrine is contraindicated.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Spills and Leaks: Permit only properly protected workers in the area, i.e. with eye/skin protection and self-contained breathing gear. Absorb small spills with inert material, pick up and transfer to scrap.

Storage and Handling: Store well sealed in a cool dry well ventilated area. Empty containers are hazardous. Continue all label precautions. Do not drink alcohol shortly before, during and after use. Check daily for any leaks from containers, vessels, pumps, and piping. Do not let enclosed vapors accumulate. Store large amounts in a structure made for Class II liquids. Ground containers when pouring. Do not flame cut, braze or weld.

Waste Disposal: Recycle or dispose of observing Local, State and Federal health, safety, and pollution laws.

Empty Containers: : Rinse well before handling and disposal. Observe label precautions.

Other Precautions: In an enclosed area ventilate in any suitable manner.

Other Details: Grease Solve Cleaner is not corrosive to metals. The solvent action will affect paint, linoleum, rubber or plastic. If spilled on these types of surfaces wash immediately with plenty of water.

SECTION VIII - REGULATORY INFORMATION

Reportable for SARA Title III, S.313 (Form R): none

SECTION IX - ADDITIONAL PHYSICAL DATA

Appearance: Clear, water white liquid	Vapor density: (air = 1): 4.6
Odor: Chlorinated solvent	Dry time (ether =1): long
API gravity: 14.4	HKB (Hydrogen Bonding): 22.7
Specific Gravity: (water =1) 0.97	PKB (Polarity): 52.4
Pounds/gallon: 8.08	DKB (Dispersion) : 24.9
% Volatile by volume: 90%	KB Solvency: 78
Mixed Aniline Point: 33 ° C./ 92 ° F.	

The information herein has been compiled from sources believed to be reliable and is accurate to the best of our knowledge. However, NYCO Products Company cannot give any guarantees regarding information from other sources, and expressly does not make any warranties, nor assumes any liability, for its use.

Transportation Information

NO HAZARD CLASS REQUIRED